

NADEERA LAKSHAN

Undergraduate in Software Engineering

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ABOUT ME

I am an enthusiastic undergraduate Software Engineering student. With strong foundation in software engineering and web development, I am eager to apply my technical knowledge and problem-solving skills in a dynamic internship environment. I have experience in programming, web technologies, and collaborative projects, and I am committed to delivering innovative solutions while continuously enhancing my skills.

EDUCATION

Bachelor of Information Technology (Hons) Specializing in Software Engineering 2022- Present

ESOFT Uni

- Strong foundation in programming, system analysis, software development, and emerging technologies.
- Hands-on projects, collaborative work, and industry-aligned coursework.

Diploma in Management and Development 2021- 2022

University of Peradeniya

- Relevant coursework in Structural Design and Project Management.

Advanced Level Combined Mathematics 2015- 2017

Bandaranayaka Central College Kegalle

- Proficiency in Mathematics, Physics, and Chemistry.

WORK EXPERIENCE

Graphic Designer

August 2024 - Present

Achpix Design

- Created attractive designs for digital and print media.
- Collaborated on creative concepts.
- Gained hands-on experience with Adobe Illustrator, Photoshop, and Figma.

PROJECTS

Vehicle Breakdown Assistance System

Ongoing Project | 2024-2025

- Developing a comprehensive web application using the MERN stack (MongoDB, Express.js, React.js, Node.js) to assist users during vehicle breakdown situations.
- Key features include real-time garage and service center suggestions based on location, dynamic communication between service centers and parts suppliers, and integrated parts ordering and tracking functionality.
- Implementing RESTful APIs for seamless data flow and managing user authentication, booking systems, and service records.
- Designed user-centric interfaces with React.js, ensuring responsiveness and accessibility across devices.
- Focused on streamlining the repair process, minimizing downtime, and improving overall user experience through efficient backend integration and scalable architecture.

Gym Management System

Completed Project | 2025

- Developed a desktop-based management application using C# (.NET Framework) and SQL Server to automate daily gym operations.
- Key features include secure login and registration, role-based dashboards for admins and members, and fully functional CRUD operations for managing staff, fitness programs, and member bookings.
- Implemented a structured database with SQL Server to handle staff details, session bookings, and cost calculations efficiently.
- Designed a user-friendly interface using Windows Forms with validation, dynamic data display, and error handling for smooth operation.

Hospital Consultation Mobile Application

Personal Project | 2024

- Designed and developed an intuitive, user-friendly UI design and interactive prototype for a hospital consultation mobile application using modern UI/UX principles.
- Created seamless user flows for appointment booking, doctor selection, patient registration, consultation history, and real-time updates.
- Applied a clean, accessible layout with a mobile-first approach, ensuring responsiveness and ease of use for all age groups.
- Utilized the tool Figma for wireframing, prototyping, and interactive design mockups.
- Conducted usability testing and incorporated feedback to enhance user experience and interface consistency.

SKILLS SUMMARY

- **Programming Languages:** C#, JavaScript, HTML, CSS
- **Databases/OS:** MySQL, PHP, MongoDB
- **Development:** Software Development, Web Development, Mobile App Development
- **UI/UX:** UI/UX Design, Wireframing, Prototyping
- **Frameworks/Tools:** .NET, React, Node.js, Express.js, Figma
- **Soft Skills:** Teamwork, Critical Thinking, Leadership, Communication, Work under pressure

CERTIFICATIONS

Trainee - Full Stack Developer

University of Moratuwa

Completed | 2025

Successfully completed a comprehensive full-stack development training program designed to build end-to-end web development skills. The program covered both front-end and back-end technologies, along with foundational and intermediate Python programming. Key modules included:

- **Web Design for Beginners** - Introduction to modern web design principles, responsive layouts, and UX/UI fundamentals.
- **Front-end Web Development** - Hands-on experience with HTML, CSS, JavaScript, and frameworks/libraries to create interactive user interfaces.
- **Server-side Web Programming** - Development of RESTful APIs, server-side logic, and database integration using technologies such as Node.js and Express.
- **Python for Beginners** - Basics of Python syntax, data structures, and programming logic.
- **Python Programming** - Advanced Python concepts including file handling, object-oriented programming, and real-world application development.
- **Software Quality Assurance** - Introduction to software testing principles, test planning, defect tracking, and quality assurance best practices to ensure reliable and high-quality software delivery.

Developed multiple projects throughout the program, applying full-stack principles and agile practices.

Front-end Development: HTML/CSS/JavaScript—Great Learning Academy

UI/UX for Beginners: Great Learning Academy

Agile Project Management: Hp Life

Fundamentals of Digital Marketing: Google Digital Academy

PROFESSIONAL LINKS

LinkedIn: linkedin.com/in/nadeera-lakshan-8b9507253

GitHub: <https://github.com/Nadeera998>